

Title (en)
Novel transition metal compound, olefin polymerization catalyst comprising said compound, process for olefin polymerization using said catalyst and propylene homo- and copolymer

Title (de)
Übergangsmetallverbindung, diese enthaltende Olefinpolymerisationskatalysator, Verfahren zur Olefinpolymerisation damit und Homo- und Copolymere des Propylens

Title (fr)
Composé de métal de transition, catalyseur de polymérisation d'oléfines comprenant celui-ci, procédé de polymérisation d'oléfines à l'aide de ce catalyseur et homo- et co-polymère de propylène

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EP 0812854 A3 19980429 (EN)

Application
EP 97116897 A 19940606

Priority
• EP 94304054 A 19940606
• JP 13625393 A 19930607
• JP 23856193 A 19930924
• JP 25074293 A 19931006
• JP 29874493 A 19931129
• JP 29874593 A 19931129
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Abstract (en)
[origin: EP0629632A2] A transition metal compound of formula (I): <CHEM> wherein M is a transition metal of Group IVa, Group Va or Group VIa of the periodic table; each R<1>, which may be identical or different, is a hydrocarbon group of 2 to 6 carbon atoms; each R<2>, which may be identical or different, is an aryl group of 6 to 16 carbon atoms, which may be unsubstituted or substituted with a halogen atom, a hydrocarbon group of 1 to 20 carbon atoms or an organosilyl group; X<1> and X<2>, which may be identical or different, are each a hydrogen atom, a halogen atom, a hydrocarbon group of 1 to 20 carbon atoms, a halogenated hydrocarbon group of 1 to 20 carbon atoms, an oxygen-containing group or a sulfur-containing group; and Y is a divalent hydrocarbon group of 1 to 20 carbon atoms, a divalent halogenated hydrocarbon group of 1 to 20 carbon atoms, a divalent silicon-containing group, a divalent germanium-containing group, -O-, -CO-, -S-, -SO-, -SO₂-, -NR<3>-, -P(R<3>-), -P(O)(R<3>-), -BR<3>- or -AlR<3>-, wherein R<3> is a hydrogen atom, a halogen atom, a hydrocarbon group of 1 to 20 carbon atoms or a halogenated hydrocarbon group of 1 to 20 carbon atoms.

IPC 1-7
C07F 17/00; **C08F 4/60**

IPC 8 full level
C07C 45/46 (2006.01); **C07C 49/67** (2006.01); **C07C 49/697** (2006.01); **C07F 17/00** (2006.01); **C08F 4/60** (2006.01); **C08F 4/602** (2006.01); **C08F 4/64** (2006.01); **C08F 4/642** (2006.01); **C08F 10/00** (2006.01); **C08F 10/06** (2006.01); **C08F 110/06** (2006.01); **C08F 210/16** (2006.01); **C08F 4/619** (2006.01); **C08F 4/6192** (2006.01); **C08F 4/659** (2006.01); **C08F 4/6592** (2006.01); **C08F 210/06** (2006.01)

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Citation (search report)
• [DPXPX] EP 0576970 A1 19940105 - HOECHST AG [DE]
• [XA] EP 0530647 A1 19930310 - HOECHST AG [DE]

Cited by
US9938364B2; US2018126707A1; US10926517B2; US9644047B2; WO9840331A1; WO9932531A1; US9834628B2; US10487161B2; US9464145B2; US9745390B2; US9458260B2; US9951155B2

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